



ADSL2/2+ Modem/Router with 4 ports switch

Quick Installation Guide

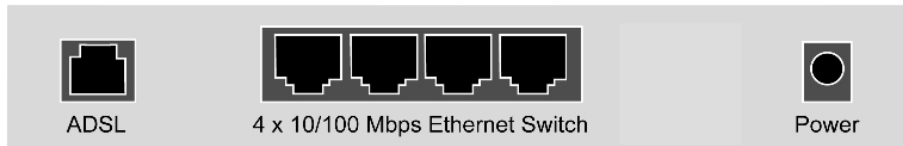
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1. Panel Descriptions

1.1 Back Panel:

The back panel of the 4 Ports ADSL2/2+ Router contains ADSL, Ethernet Switches, Reset Button and Power Adaptor connection.



ADSL	Port for connecting to the ADSL/ADSL2/ADSL2+ Service Provider.
Ports 1~4	Four 10/100Mbps Ethernet Ports for connecting to the network devices.
Power	Power adapter connector



All the Ethernet port of the 4 Ports ADSL2/2+ Router supports auto-crossover capability.



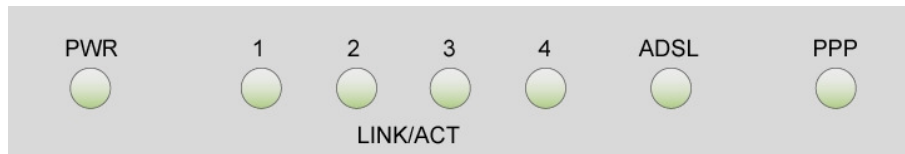
RESET Button:
Reboot & Restore the 4 Ports ADSL2/2+ Router to factory defaults.

To “**Reset**” the 4 Ports ADSL2/2+ Router to factory defaults:

- Ensure that the device is powered on.
- Press the Reset button for 10~15 seconds and release. Wait for 30 seconds after release the Reset button. Do not power off the device during the reset process.
- The default settings are now restored after 30 seconds.

1.2 Front Panel:

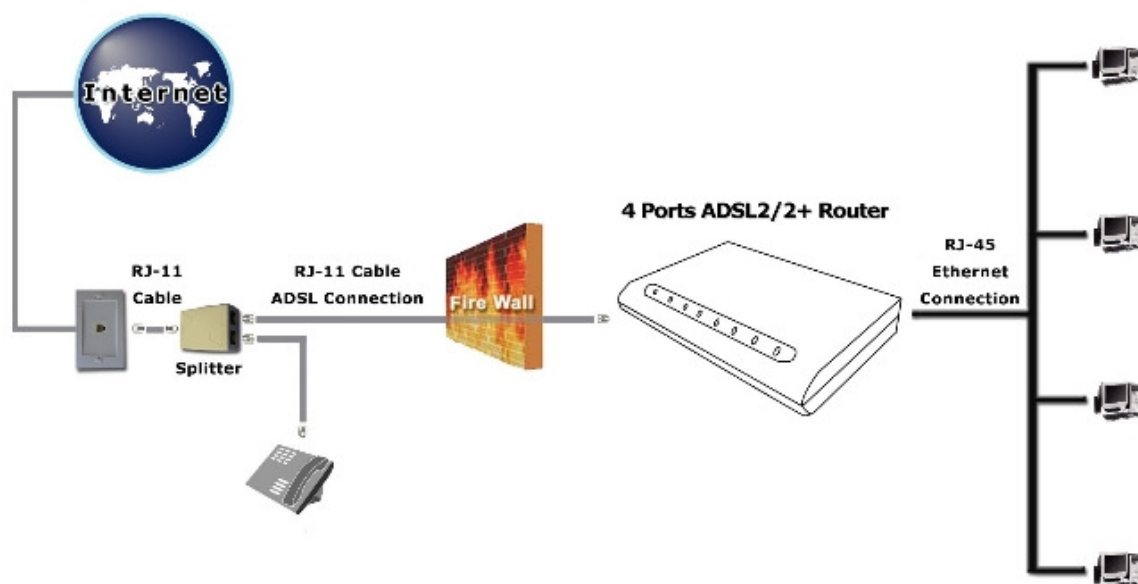
The 4 Ports ADSL2/2+ Router's LED indicators display information about the device's status.



PWR	Lights up when 4 Ports ADSL2/2+ Router is powered on.
1	Blinking when Port 1 of this 4 Ports ADSL2/2+ Router is Sending/Receiving data.
2	Blinking when Port 2 of this 4 Ports ADSL2/2+ Router is Sending/Receiving data.
3	Blinking when Port 3 of this 4 Ports ADSL2/2+ Router is Sending/Receiving data.
4	Blinking when Port 4 of this 4 Ports ADSL2/2+ Router is Sending/Receiving data.
ADSL	Blinking when 4 Ports ADSL2/2+ Router is ready.
	Lights up when a successful ADSL2/2+ connection is established.
PPP	Lights up when a PPP connection is established.

2. Connecting 4 Ports ADSL2/2+ Router

2.1 Connection Mechanism:



This section describes the hardware connection mechanism of your 4 Ports ADSL2/2+ Router on your Local Area Network (LAN) connect to the Internet, how to configure your 4 Ports ADSL2/2+ Router for Internet access or how to manually configure your Internet connection.

Before you can establish an Internet or Wireless connection through your 4 Ports ADSL2/2+ Router, make sure you have the following:

1. A Computer/Notebook with an installed Ethernet Adaptor and an Ethernet Cable.
2. ADSL service account and configuration information provided by your Internet Service Provider (ISP). The following configuration parameters are required in order to connect your 4 Ports ADSL2/2+ Router to the Internet:
 - a. VPI/VCI parameters
 - b. Multiplexing Method or Protocol Type or Encapsulation Type
 - c. Host and Domain Names
 - d. ISP Login Name and Password
 - e. ISP Domain Name Server (DNS) Address
 - f. Fixed or Static IP Address

2.2 Connection Steps:

Following are the steps to properly connect your 4 Ports ADSL2/2+ Router:

1. Turn off your computer.
2. Connect the ADSL port of your 4 Ports ADSL2/2+ Router to the wall jack of the ADSL Line with a RJ-11 cable.
3. Connect the Ethernet cable (RJ-45) from your 4 Ports ADSL2/2+ Router to the Ethernet Adaptor in your computer.
4. Connect the Power adaptor to the 4 Ports ADSL2/2+ Router and plug the other end into a Power outlet.



The Power light will lit after turning on the 4 Ports ADSL2/2+ Router. Auto and self-diagnostic process might turn the LED indicators ON and OFF during the process.



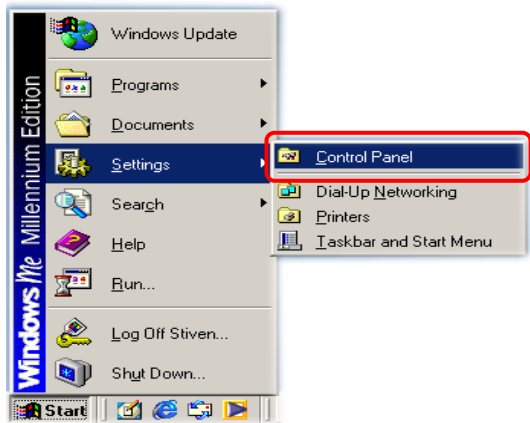
Use the Power Adaptor exclusively in combination with the equipment supplied and do not use any other kind of power adaptor for the equipment.

5. Turn on your computer.
6. Refer to the next chapter to setup or configure your system's Network Adaptor.

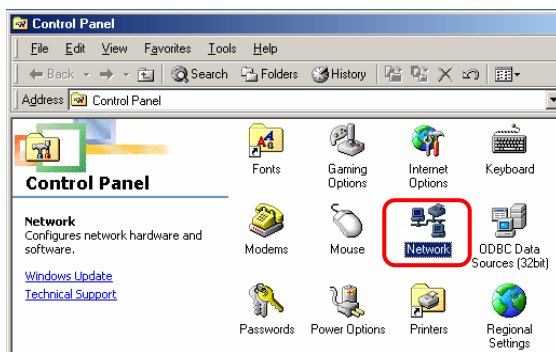
3. Setting up the TCP/IP

Windows Me / 98

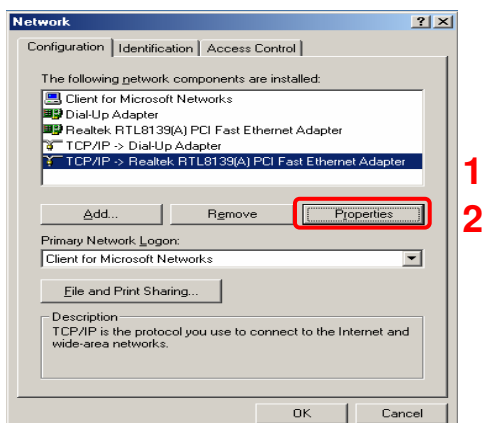
Step 1: Click **Start**→**Settings**→**Control Panel**.



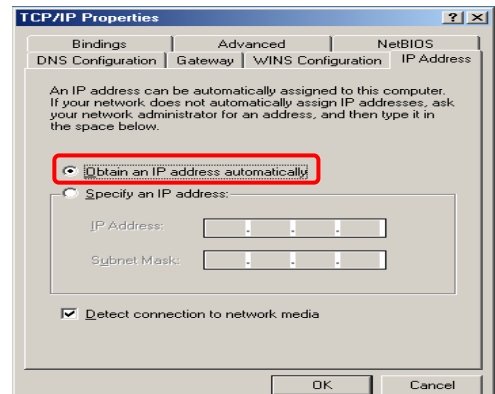
Step 2: Double-click the **Network** icon.



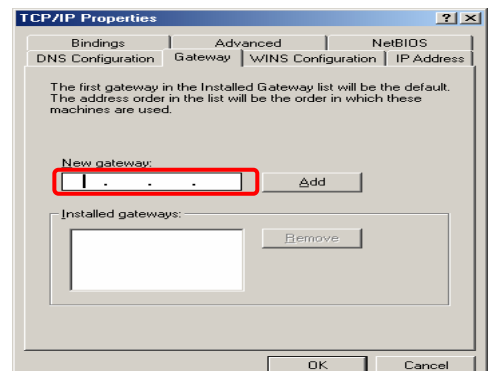
Step 3: Go to Configuration icon, select network adapter installed and click **Properties**.



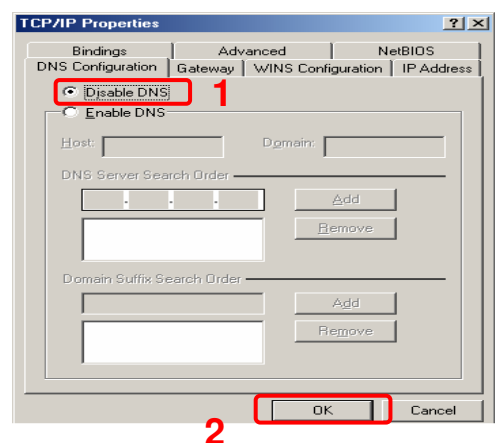
Step 4: Go to IP Address icon and select **Obtain an IP address**.



Step 5: Go to Gateway icon and erase all previous setting.

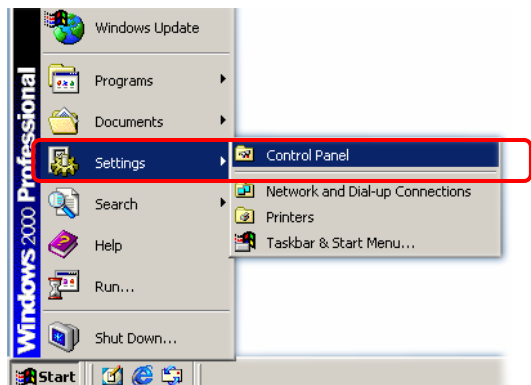


Step 6: Go to DNS Configuration icon, select **Disable DNS** and click **OK**.



Windows 2000

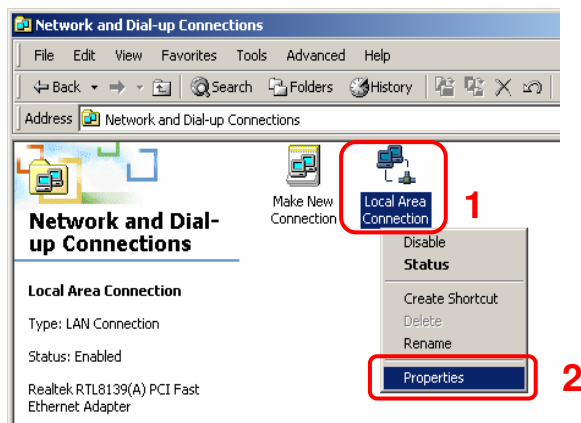
Step 1: Click **Start**→**Settings**→**Control Panel**.



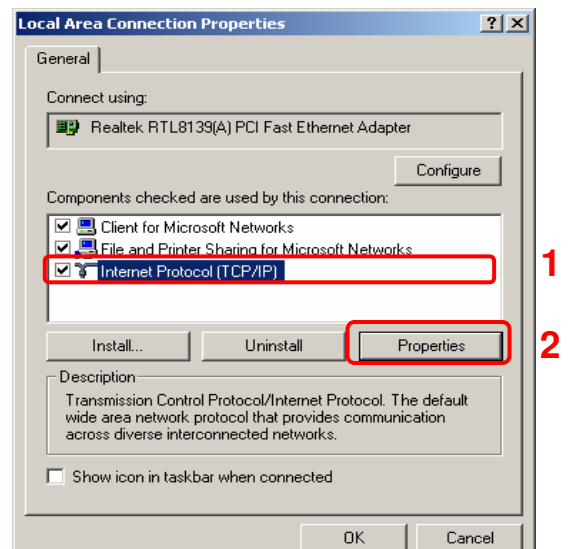
Step 2: Double-click the **Network and Dial-up Connections**.



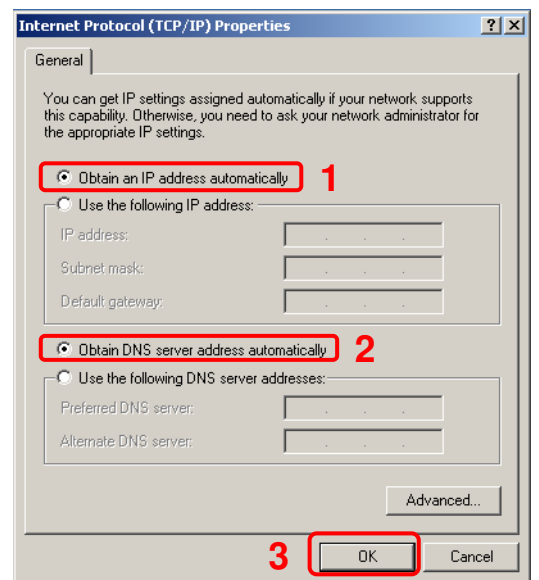
Step 3: Right Click the **Local Area Connection** and select **Properties**.



Step 4: Select **Internet Protocol (TCP/IP)** and click **Properties**.

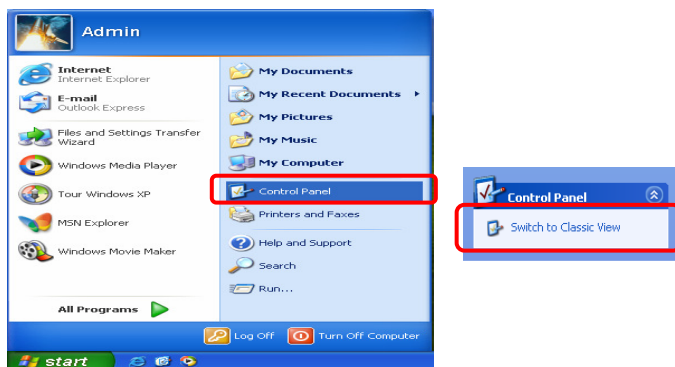


Step 5: Select **Obtain an IP address automatically** and **DNS server address automatically**. Then, click **OK**.

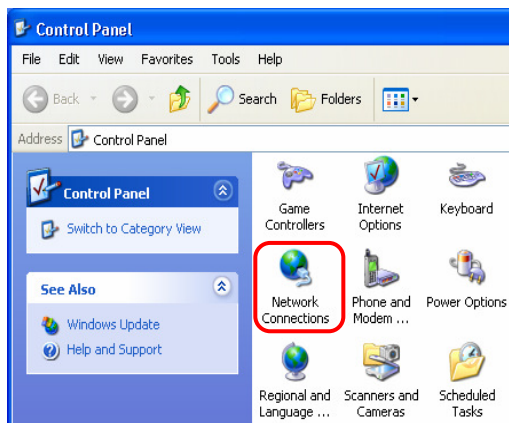


Windows XP

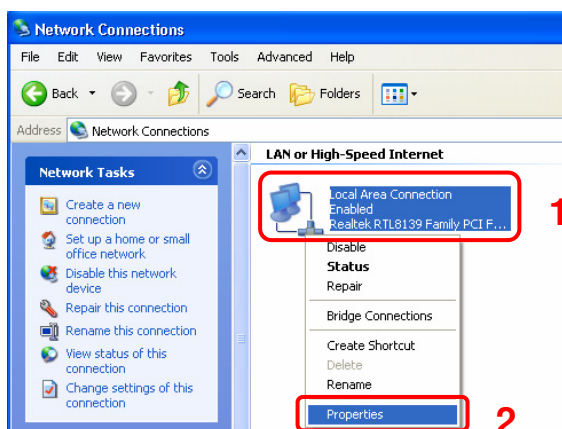
Step 1: Click **Start**→**Control Panel**→**Classic View**.



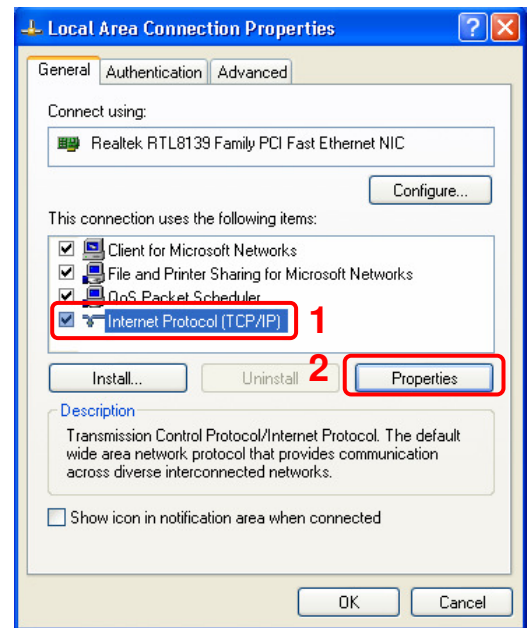
Step 2: Double-click the **Network Connections**.



Step 3: Right Click on the **Local Area Connection** and select **Properties**.

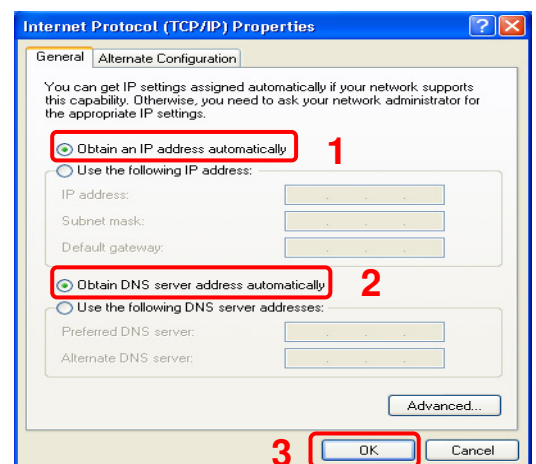


Step 4: Go to General icon, select **Internet Protocol (TCP/IP)** and click **Properties**.



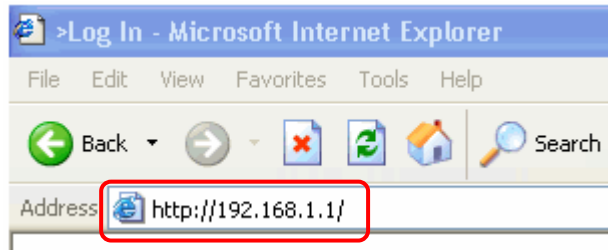
Step 5: Go to General icon, select **Obtain an IP address automatically** and **DNS server address automatically**.

Then, click OK.



4. Setting up the 4 Ports ADSL2/2+ Router

1. Launch your web browser, and enter the 4 Ports ADSL2/2+ Router's IP Address: **"192.168.1.1"** in the address field then press the **"Enter"** key to login.



2. Enter the default **User Name: "Admin"** and **Password: "Admin"**. Then press **"OK"** to login.

A screenshot of a web-based login interface. At the top, a black banner contains the text "Please Log In to continue." in white. Below this is a large light gray rectangular area. In the center of this area, the text "Log In" is displayed above a horizontal line. Underneath the line, there are two input fields: "Username: Admin" and "Password: *****". Below these fields is another horizontal line. In the bottom right corner of the gray area, there is a black button with the text "Log In" in white.

Note that the Username and Password are case sensitive.

3. Upon entering the address into the web browser, the system **HOME** page with all the device information will pop up.

ADSL2/2+ Router

ADSL2/2+ Router

Home Setup Wizard Tools Advanced Save All

Connection Status

Description	Type	IP	State	Online	Disconnect Reason
Wizard	bridge	NA	NA	NA	NA

System Information

System Uptime: 0 hours 12 minutes
DSL Status: Disconnected
DSL Speed: 0/0kbps
Ethernet: Connected
Software Version: 3.7.0B
Firmware Version: 8505_NB2_051006.02FA

Log Out Refresh

4. Click on “**Wizard Setup**” and the following screen will pop-up. The **Setup Wizard** is a presetting wizard which meant to help you install the 4 Ports ADSL2/2+ Router quickly and easily.

ADSL2/2+ Router

ADSL2/2+ Router

Setup Wizard Home Setup Wizard Tools Advanced Save All

Setup Wizard

Country : -----Select Country-----
ISP : -----
Encapsulation :
VPI :
VCI :

Click **Config** if your country/ISP is not listed

Next Cancel

Follow the **Steps** describe below to complete your first time installation.

Step 1: Select your country from the **Country** list and the ADSL service provider from the **ISP** List (If there are more than two ISP in your country) and note the “**Encapsulation**” type and “**VPI & VCI**” setting. Click “**Next**” to continue.

ADSL2/2+ Router

ADSL2/2+ Router

Setup Wizard Home Setup Wizard Tools Advanced Save All

Setup Wizard

Country : Taiwan

ISP : Hinet

Encapsulation : PPPoE LLC

VPI : 0

VCI : 33

Click **Config** if your country/ISP is not listed

Next Cancel



Click “**Config**” if you can’t find any available parameters from the presetting country list.

Check your ISP immediately for the setting/configuration details.

A. For countries with the following “**Encapsulation**” type after clicking the “**Next**” button at **Step 1**, you will enter into set Username and Password window as shown below:

- ☒ **PPPoA VC-Mux**
- ☒ **PPPoA LLC**
- ☒ **PPPoE VC-Mux**
- ☒ **PPPoE LLC**

ADSL2/2+ Router

ADSL2/2+ Router

Setup Wizard Home Setup Wizard Tools Advanced Save All

PPP Setup

Username : 85824421@hinet.ne

Password :

Apply Back Cancel

Manually enter your “**Username**” and “**Password**” which will be provided by your Service Provider (ISP). Click “**Apply**” after setup.

B. For countries with the following “**Encapsulation**” after clicking the “**Next**” button at **Step 1**, the following window will pop-up:

- ☒ **1483 Routed IP VC-Mux**
- ☒ **1483 Routed IP LLC**
- ☒ **1483 Routed IP LLC (1577)**
- ☒ **1483 Bridged IP VC-Mux**
- ☒ **1483 Bridged IP LLC**

ADSL2/2+ Router

Home Setup Wizard Tools Advanced Save All

Setup Wizard

Country : Argentina

ISP : Argentina Telecom

Encapsulation : 1483 Bridged IP LLC

VPI : 0

VCI : 33

Connection Type : ☐ Static (Fixed IP by ISP) ☒ DHCP (Get IP dynamically from ISP)

Click **Config** if your country/ISP is not listed

Next Cancel

In this current window, you will find **TWO** different **Connection Type**:

- **Static (Fixed IP by ISP)**
- **DHCP (Get IP dynamically from ISP)**



Click “Config” if you can’t find any available parameters from the presetting country list.

Check your ISP immediately for the setting/configuration details.

- 1. Static:** Click the radio button to enable **Static (Fixed IP by ISP)** option then click “**Next**”, the following window will pop-up.

ADSL2/2+ Router

ADSL2/2+ Router

Setup Wizard Home Setup Wizard Tools Advanced Save All

Static Setup

IP Address : 0.0.0.0

Mask :

Default Gateway :

DNS 1 :

DNS 2 :

DNS 3 :

Apply Back Cancel

Manually enter the “**IP Address**”, “**Mask**”, “**Default Gateway**” and “**DNS**” which will be provided by your ISP. Click “**Apply**” after your setting.

- **Static Setup:** Static IP Settings are for users who have a Static IP Address (WAN side) from their ISP.

- ☑ **IP Address:** This is the Static IP Address given by your ISP.
- ☑ **Mask:** This is the Subnet Mask provided by your ISP.
- ☑ **Default Gateway:** This is your gateway IP address.
- ☑ **DNS:** This is the DNS address specify by your ISP.

- 2. DHCP (Get IP dynamically from ISP):** Click the radio button to enable **DHCP (Get IP dynamically from ISP)** option then click “**Next**”, the following window will pop-up:

ADSL2/2+ Router

ADSL2/2+ Router

Setup Wizard Home Setup Wizard Tools Advanced Save All

DHCP Setup

IP Address :
Mask :
Gateway :
Default Gateway : ☒

1

Apply Back Cancel

Nothing to be filled under this mode. Just click the “**Apply**” button to confirm your setting.

Step 2: The following configuration home page with the device setup information will pop-up after your confirmation at **Step 1**.

ADSL2/2+ Router

ADSL2/2+ Router

Home Home Setup Wizard Tools Advanced Save All

Connection Status

Description	Type	IP	State	Online	Disconnect Reason
Hinet	pppoe	N/A	Not Connected	0	DSL Line is Disconnected

System Information

System Uptime: 0 hours 15 minutes
DSL Status: Disconnected
DSL Speed: 0/0kbps
Ethernet: Connected
Software Version: 3.7.0B
Firmware Version: 8505_NB2_051006.02FA

Log Out Refresh

■ Check the following items when the above window pop-up. All the setting should be exactly the same with your setting in **STEP1**.

- ☒ **Description:** Show the **ISP** name you'd selected in **STEP 1**.
- ☒ **Type:** Show the **Encapsulation** type selected in **STEP 1**.

NOTE: If the final setting are differ from what you'd selected in **STEP 1**, click **Setup Wizard** and redo the setup procedures or else check your dealer immediately for technical support.

NOTE: For more detailed information regarding settings and connections, refer to "**Users Manual**".

5. Making sure of Internet connection

1. Click the **“Refresh”** button and check the **“System Information”**.

The **“DSL Status”** and **“DSL Speed”** under **“System Information”** shows you the ADSL connection status and connection speed (Upstream/Downstream) in Kbps.

ADSL2/2+ Router

ADSL2/2+ Router

Home Setup Wizard Tools Advanced Save All

Connection Status

Description	Type	IP	State	Online	Disconnect Reason
Hinet	pppoe	61.230.144.180	Connected	0hr 0min 3sec	N/A

System Information

System Uptime: 0 hours 11 minutes

DSL Status: Connected

DSL Speed: 766/4871 kbps

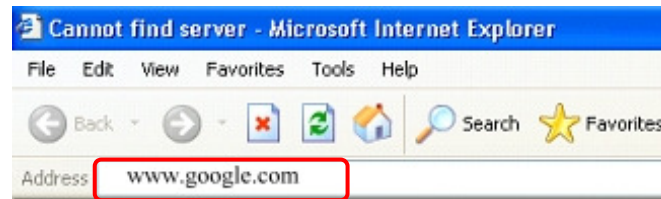
Ethernet: Connected

Software Version: 3.7.0A

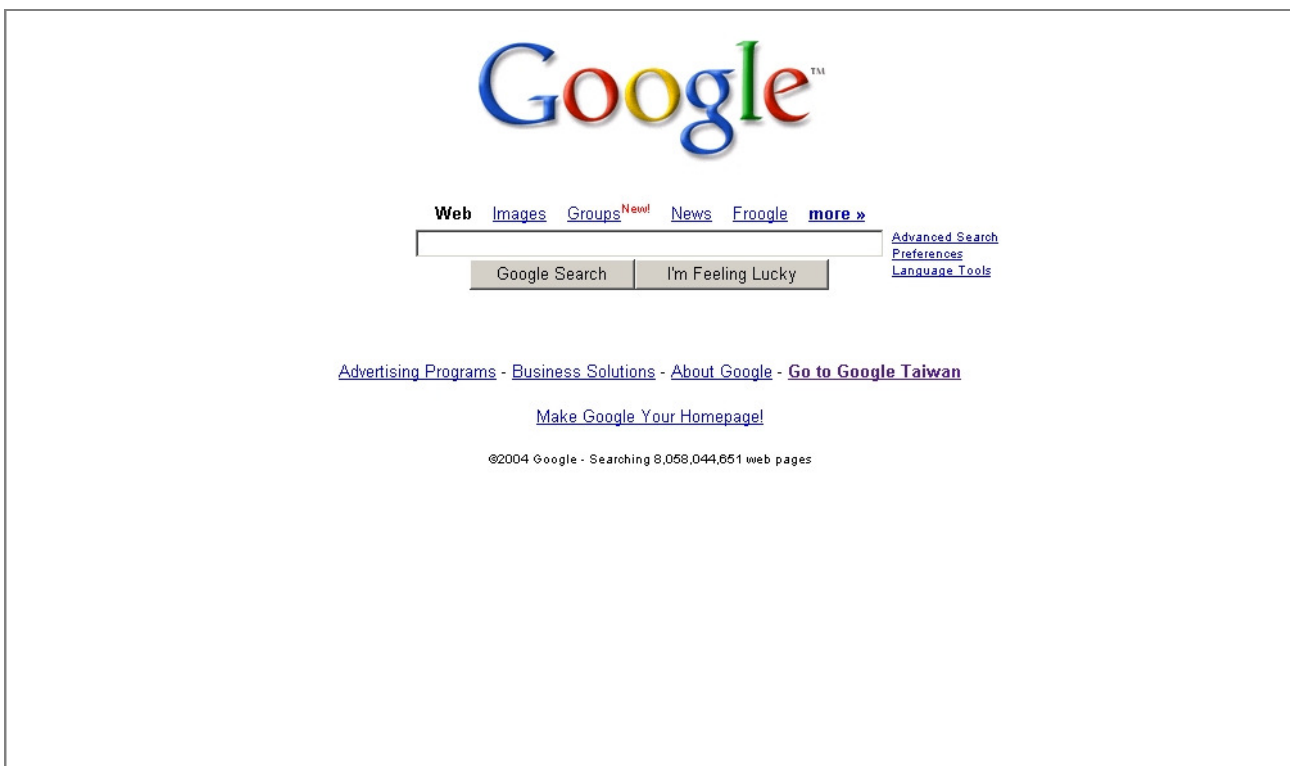
Firmware Version: 855_NB_040406.00FA

Log Out Refresh

2. Launch your web browser, and enter the Google Website Address: “**www.google.com**” in the address field then press “**Enter**”.



3. The following Google website index page will display on your screen. This shows your ADSL connection is correctly set and access to the Internet is now available.



NOTE: For more detailed information regarding settings and connections, refer to “**Users Manual**”.